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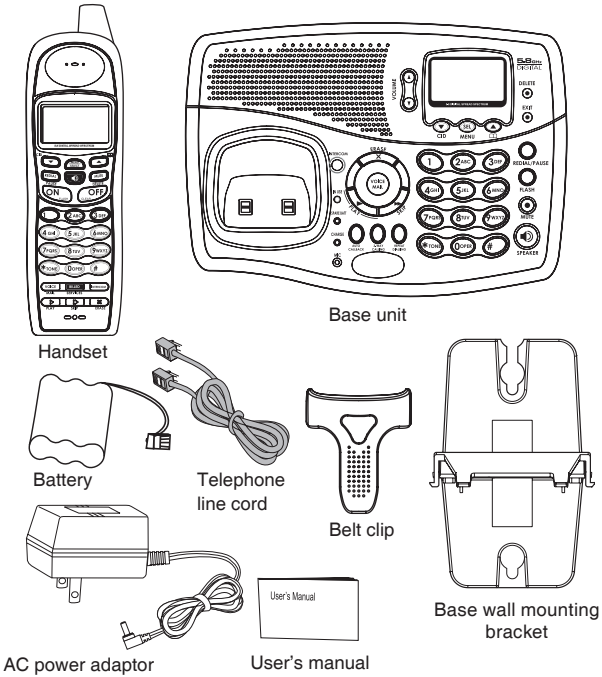
# Before you begin

## Parts Checklist

1. Handset
2. Base unit
3. Battery
4. Telephone line cord
5. Belt clip
6. Base wall mounting bracket
7. AC power adaptor
8. User's manual




**note**

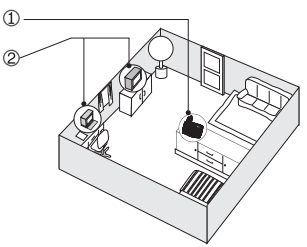
- Important! Before using this telephone, you must read the important safety instructions on page 46.

# Installation

## Choose location

For maximum performance of your cordless telephone system:

1. Choose a central location for your base unit.
2. Install your base unit and extension handsets away from electronic equipment, such as personal computers, television sets and microwave ovens.
3. In locations where there are multiple cordless telephones, separate base units as much as possible.
4. Install your telephone equipment away from heat sources and sunlight.
5. Avoid excessive moisture, dust or extreme cold.



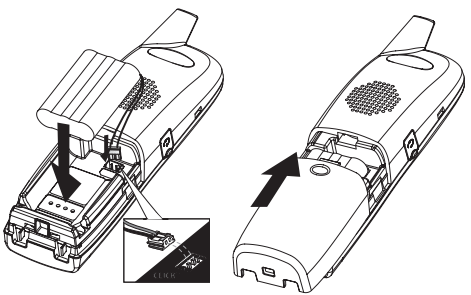

## Install handset battery

a) Align the two holes in the plug with the socket pins, then snap the plug into place.

b) Place the battery in the compartment.

c) Replace cover by sliding it up into place.

d) Place the handset in its base when not in use to ensure maximum daily performance.



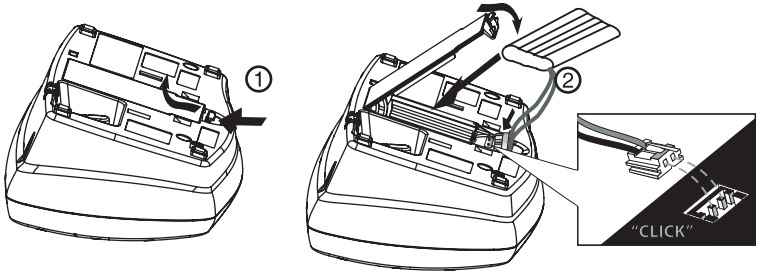
# Installation

**Power guard/spare battery charger feature**

Your phone can use the spare battery in the base unit to provide operational backup in the event of a power failure. With a fully charged battery in the spare battery charger, you will still be able to place and receive calls from the handset for up to 1.5 hours.

The spare battery can also be used to replace a drained handset battery, ensuring uninterrupted use. A spare battery can be purchased from most retail stores that carry electronic equipment.

1. Open the spare battery compartment by pressing the lever on the cover as shown below in diagram one. Then pull the compartment cover up, as shown in diagram two.
2. Align the two holes in the plug with the socket pins, then snap the plug into place. Place the battery in the charger as shown in the diagram below.
3. Replace the spare battery compartment cover. The spare battery takes 16 hours to fully charge a drained battery.




**note**

- When using the phone during power backup mode, audio quality may be compromised due to reduced power availability.

**CAUTION:** To reduce the risk of fire or injury, read and follow these instructions:

1. Use only the battery supplied, or equivalent.
2. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
3. Exercise care in handling battery in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

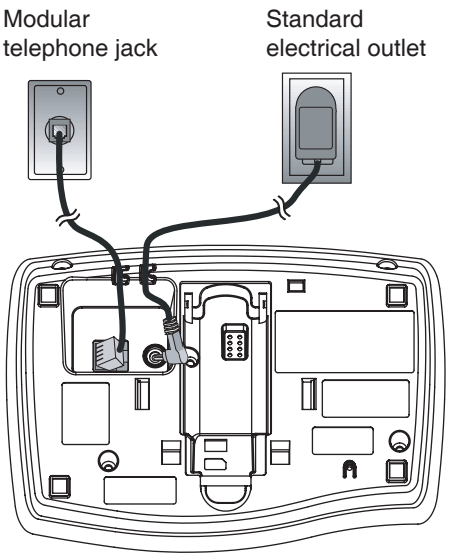
**note**

- Install the base unit away from electronic equipment such as personal computers, television sets or microwave ovens. Avoid excessive heat, cold, dust or moisture.

# Installation

## Table/desk installation

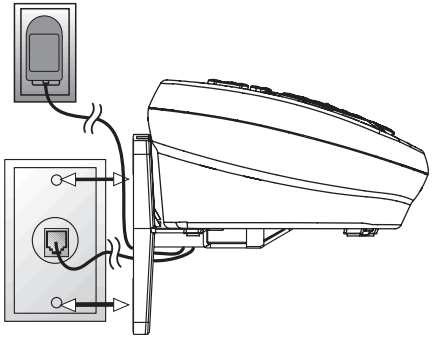
Connect the power cord. After charging the battery for at least 16 hours, connect the telephone line cord.



# Installation

## Wall mounting

Your phone base unit is designed to mount on a standard telephone wall plate. Wall mounting is optional.



1. Plug the adapter into an electrical outlet, and the connector to the bottom of the base unit.
2. Connect the telephone line cord to the jack at the bottom of the base unit, and the other end to the wall jack.
3. Line up the tabs on the wall mount adapters with the holes at the bottom of the base unit. Snap the wall mount bracket firmly in place.
4. Mount the base unit on the wall. Position the base unit so the mounting studs will fit into the holes on the wall mount bracket. Slide base unit down on the mounting studs until it locks into place

## Charge the handset battery

Place the handset in the base. Be sure to charge the battery for at least 16 hours before using your phone.

**note**

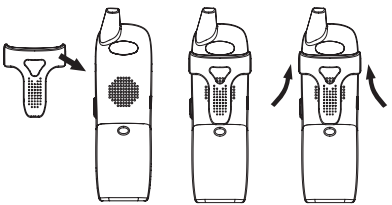
- Install the base unit away from electronic equipment such as personal computers, television sets or microwave ovens. Avoid excessive heat, cold, dust or moisture.

# Installation

### Check for dial tone

After the batteries are charged, pick up the handset and press **ON**; you should hear a dial tone. If you do not, try this phone in another phone jack.

**Belt Clip** (optional)



To attach To remove

### NOTE:

- Your phone contains an internal noise filter (for DSL subscribers). This means, If you subscribe to DSL service, you shouldn't experience interference or noise when using your phone due to your DSL service.

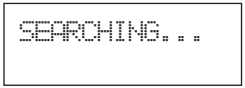
# Registration

Your phone can operate up to four handsets. To order additional handsets call the supplier.

### Register your accessory handsets

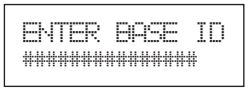
1. After charging the battery, the screen will display:
2. On the base unit, press **MENU/SEL**, then scroll to **DISPLAY BASE ID**, press **MENU/SEL.**
3. Enter the 15 digit base unit ID code, If you make a mistake, press the **DELETE/MUTE** key to backspace (delete characters), then enter the correct information.
4. Press **MENU/SELECT** to complete the registration process.
5. Once a valid base ID code has been entered, the display will blank for a second or two, and then show:
6. If the base accepts the new handset, after several seconds the new handset will show:

Where **X** is the new handset number assigned, sequentially, by the base.



### Re-register existing handsets to a new base

1. Install your new base unit, the handset(s) will display **SEARCHING...**, press and hold the **MENU/SELECT** button for two seconds.
2. The handset will display:
3. Follow steps 2 through 6 in **Registration** above.




### De-register all system handsets

1. With the phone in idle, press ***883244#** on the base.
2. Then press **MENU/SEL**, **IN USE** and **CHARGE,** the **POWER LED** will illuminate briefly before returning to idle.
3. This will erase all handsets registered to the base. The handsets will now prompt you to:
4. Re-register the handset(s) to base by following steps 2 through 6 in **Registration** above.

**note**

- The 15-digit base ID code may contain numbers and characters, including 0 through 9 and *. Make sure you enter all 15 digits.
- If you do not enter the correct digit sequence, you will hear an error tone. Press **DELETE/MUTE** key to backspace to erase a character(s) and carefully re-enter the base ID code.
- De-registering all system handsets will prevent any handset from placing calls until the handset is re-register to the base.

# Handset and base indicators

### Handset display

| Icon | Description |
|---|---|
| **MUTE** | Turns on when the microphone is muted. |
| **NEW** | Turns on when there are new call log entries. |
| | Turns on when the ringer is muted. |
| | Low battery indicator and charging indicator. |
| | LED is on when in handsfree mode. |
| **VOICEMAIL** | On when new voicemail is detected. Service must be subscribed through your local telephone company. |

# Handset and base indicators

**Base display**

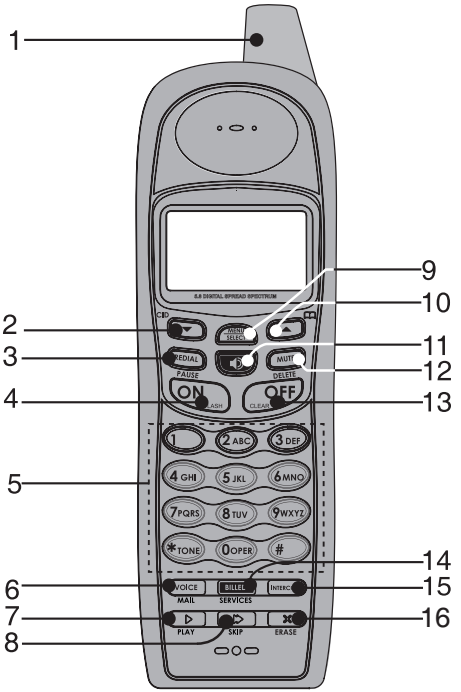
| Icon | Description |
|---|---|
| **MUTE** | • MUTE turns on when the microphone is muted.<br>• LED is on when microphone is muted |
| **NEW** | Turns on when there are new call log entries. |
| | Turns on when the ringer is muted. |
| | Displays when spare battery is charging in the base unit. |
| **IN USE** | On when the phone is off hook. |
| **CHARGE** | On when the handset is charging in the base. |
| **VOICEMAIL** | On when new voicemail is detected. Service must be subscribed through your local telephone company. |
| | LED is on when base speakerphone is in use. |
| **SPARE BATT** | • LED flashes when the base is operating on spare battery power.<br>• LED is on when a spare battery is charging and the power adapter is plugged into the base. |

**note**

- In the event of a power failure, if a spare battery is charging in the base, the base will go into backup mode and use the spare battery for power.

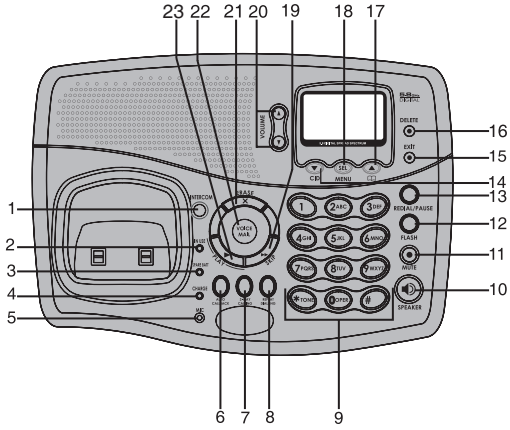
# Handset layout

1. Antenna
2. CID ▼
3. Redial/pause
4. On/flash
5. Dialing key (0 - 9, *, #)
6. Voicemail
7. Play ▶
8. Skip ▶▶
9. Menu/select
10. 🕮 ▲
11. Speaker
12. Mute/delete
13. Off/clear
14. Billed services
15. Intercom
16. Erase **X**



# Base unit layout

1. Intercom
2. In use
3. Spare battery compartment
4. Charge
5. Microphone
6. Auto call back
7. 3-way calling
8. Repeat dialing
9. Number keys
10. Speaker
11. Mute
12. Flash
13. Redial/pause
14. Caller ID ▼
15. Exit
16. Delete
17. Phonebook 🕮 ▲
18. Menu/select
19. Skip ▶▶
20. Volume
21. Erase
22. Voicemail
23. Play ▶



# Telephone operation

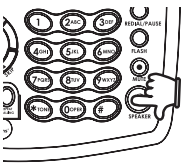
## Making calls

### From the handset:

Press **ON** (or, **SPEAKER** ( ) to use the handset speakerphone feature).
Dial the phone number.

**-OR-**

Dial the phone number first; then press **ON** or **SPEAKER** ( ).
As you are entering numbers, press **DELETE/MUTE** or **OFF/CLEAR** to backspace and make corrections, or press and hold **PAUSE** to enter a 3 second dialing pause. Press **OFF** to end your call.



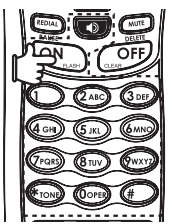
### From the base unit

- Press **SPEAKER** ( ). Dial the phone number.

**-OR-**

Enter the phone number first; then press **SPEAKER** ( )
As you are entering numbers, press **DELETE** or **EXIT** to backspace and make corrections, or press and hold **PAUSE** to enter a three second dialing pause.

- Press **SPEAKER** ( ) to end your call.



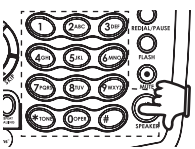

## Answering calls

### From the handset

- Press **ON**, **SPEAKER** or any of the number keys.
- Press **OFF** to end your call.

### From the base unit

- Press **SPEAKER** ( ) or any of the dialing keys (0-9, *, #).
- Press **SPEAKER** ( ) to end your call.



# Telephone operation

**Flash function**

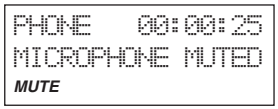
You can use your phone with services such as call waiting. When you receive a call waiting signal, simply press the **FLASH** key to switch to the new call. Press **FLASH** again to switch back to the original call.

**Redial**

- Press **REDIAL** to display the last telephone number dialed from the handset or base unit (up to 32 digits). Use ▲ or ▼ to scroll through the five previously dialed numbers.
  When the beginning or the end of the redial list is reached, a double beep will sound.
- When the desired number is reached, press **ON** or **SPEAKER** (🔊) to dial.
- Press **DELETE/MUTE** on the handset (or **DELETE** on the base) to delete the number from the redial memory.
- Press **OFF/CLEAR** on the handset **(**or **EXIT** on the base**)** to exit the redial review list.

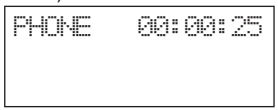
**Mute**

- During an active call, press the **MUTE** key on handset or base unit to disable the microphone. The screen will display:
- Press **MUTE** again to return to normal two way conversation. **MICROPHONE ON** will display briefly.




**Conference call**

Your phone is capable of supporting conference calls between system handsets or base. It is possible to establish a conference between any two handsets (or a handset and the base) and the external line. If a handset or base already has a connection to the external line, and any other handset or base goes off-hook, a conference is immediately established. The handsets will show:




**Volume**

Press the **VOLUME** button on the handset or press the **VOLUME** button on the base to adjust listening volume. Each button press raises or lowers volume by one level. When you change the volume level, the new setting is saved. The new volume level will be applied each time you use the handset, speakerphone or headset.

**note**

- Use **FLASH** to access other phone company subscriber services, as described by your provider.
- To end a conference call, press **OFF** at he handset or 🔊 on the base. The conference call will not be terminated until all handsets or base unit have disconnected from the call.

# Telephone operation

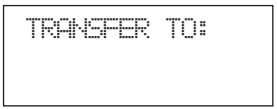
**note**

- If the returned call is not answered within 30 seconds, the external call will end automatically.
- While in transfer mode (before releasing the call) you may toggle back and forth between the external call (the display will show **OUTSIDE**) and the intercom call (the display will show **INTERCOM**) by pressing the **INTERCOM** key.

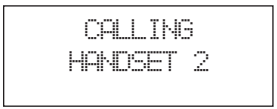
## Transferring calls

You can transfer calls between the base and any handsets registered to it. While you are on an external call, Using Transfer allows you to speak to the person who answers at the base or handset you are calling before releasing the external call to them.

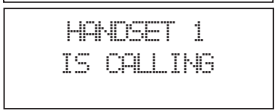
- Press **INTERCOM** key on the handset or base, it will display:



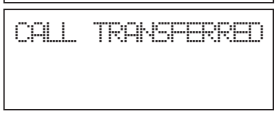

- Select the number of the handset to which the call is to be transferred 1-4 or 0 for base. For example if you intercom handset 2 the display will show:




- Press **ON**, **SPEAKER** or **INTERCOM** on the handset or base being called to answer the intercom call. You may now discuss the external call with the person who answered the other handset or base.



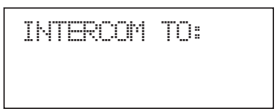

- On the handset, press the **OFF** key to transfer the external call to the other handset or base. (If transferring from the base, press **SPEAKER** to transfer.)



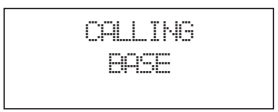

## Intercom call

You can intercom between the base and any handsets registered to it.

- From the idle (off) mode, press **INTERCOM**. The handset will display:



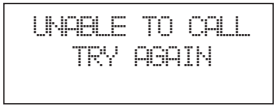

- Select a number of the handset to be called (1-4 or 0 for base). For example if you intercom the base the display will show:



# Telephone operation

- Press **INTERCOM**, **ON** or **SPEAKER ( )** on the handset (or base) to answer the intercom call. The screens will display:
- Press **INTERCOM**, **OFF/CLEAR** on the handset (or **EXIT** on the base) to end the call

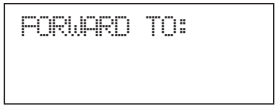
If the handset/base you are attempting to intercom is out of range, or on an external call, the display will show:




### Call forward

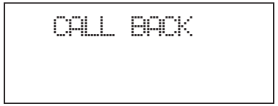
You can forward calls between the base and any handsets registered to it.

- A handset on an external call can forward it to any other handset or base.
- Press and hold the **INTERCOM** key on the handset, it will display:




- Enter the handset number you wish to forward to or 0 for base. The handset will display:
- At the handset or base press **ON, SPEAKER** or any of the dialing keys (0-9, *, #) to answer the call.

If the handset or base being called does not respond in about one minute, the external call will be returned to originating handset or base and the display will show:



# Telephone operation

### Handset locator

- From the idle (off) mode, press **MENU/SEL** on the base unit, then use ▲ or ▼ key to scroll to **HANDSET LOCATOR**.

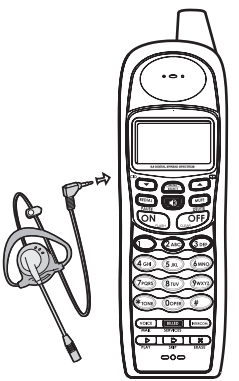
- Press **MENU/SEL**, display will show:

- To end the page, press **ON, SPEAKER**, or any dial pad key (0-9,*,#) on the handset, or press **MENU/SEL** or **EXIT** on the base.

### Headset

You can use this telephone handsfree when you install a compatible 2.5 mm headset, purchased separately.

Plug the headset into the jack located on the side of the handset (under the small rubber flap). Do not force the connection, but make sure the plug fits securely.



# Telephone operation

## Operating range

This cordless telephone operates within the maximum power allowed by the Federal Communications Commission (FCC). This handset and base can only communicate over a certain distance. The range may be affected by the weather or the construction of your home or office.

If you receive a call while you are out of range, the handset might not ring or if it does ring, the call might not connect when you press **ON**. Move closer to the base, then press **ON** to answer the call.

If you move out of range during a phone conversation, you might hear noise or interference, or you may lose the call. To improve reception, move closer to the base.

If you move out of range while on a call and the call is lost, your line may remain busy. To hang up properly, walk back into range, periodically pressing **OFF**.

# Telephone operation

## Handset display screen messages

| Screen displays: | When: |
|---|---|
| PHONE | The handset is in use. |
| ENDED | The handset is on hook. |
| NO ENTRIES | You are accessing an empty directory or call log. |
| LIST FULL | You are saving to a full directory. |
| MICROPHONE MUTED | The call is on mute. |
| SPEAKER | The handset speakerphone is in use. |
| LOW BATTERY | The battery needs to be recharged. |
| INCOMING CALL | There is a call coming in. |
| NEW VOICE MAIL | There are new voicemail messages. |
| X NEW CALLS | There are new calls in the CID log. |
| SEARCHING... | The handset has lost communication with the base. |
| BASE IS PAGING | The base is paging handset(s). |
| BASE IS CALLING | The base is calling. |
| CALLING HANDSET X | Calling another handset. |

# Telephone operation

## Handset display screen messages

| Screen displays: | When: |
|---|---|
| CALLING BASE | Calling the base. |
| HANDSET X IS CALLING | Other handset is calling. |
| LINE IN USE | An extension phone is in use. |
| NO LINE | There is no telephone line connected. |
| ALREADY SAVED | The telephone number you have entered is already stored in the directory. |
| SAVED | Your operation is successful. |
| WARNING CHECK BATTERY! | • The battery is not installed properly in the handset.<br>**OR**<br>• The battery needs to be replaced.<br>**OR**<br>• An incorrect battery has been installed by mistake. |
| PLACE IN CHARGER | The battery is very low. The handset should be placed in the base unit or charger. |
| CHARGING | A handset with a low battery has been placed in the base unit or charger. |

# Telephone operation

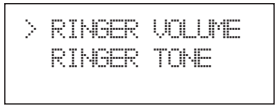
## Base display screen messages

| Screen displays: | When: |
|---|---|
| SPEAKER | The speakerphone is in use. |
| ENDED | The speakerphone is on hook. |
| NO ENTRIES | You are accessing an empty directory or call log. |
| LIST FULL | The directory is full, no new data can be saved. |
| MICROPHONE MUTED | The call is on mute. |
| INCOMING CALL | There is a call come in. |
| PAGING ALL HANDSETS | The base is paging handset(s) |
| CALLING HANDSET X | Calling a handset. |
| LINE IN USE | An extension phone is in use. |
| NO LINE | There is no telephone line connected |
| ALREADY SAVED | The telephone number you have entered is already stored in the directory. |
| NEW VOICE MAIL | There are new voicemail messages. |
| X NEW CALLS | There are new calls in the CID log |
| HANDSET X CALLING | One of the cordless handsets is calling. |
| SAVED | Your operation is successful. |

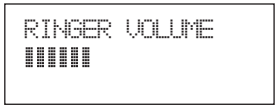
# Telephone settings

## Ringer volume

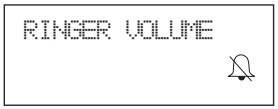
- From the idle (off) mode, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base) then the ▲ or ▼ key to **RINGER VOLUME**.




- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). The current ringer volume will be shown:




- Press the ▲ or ▼ keys or enter a digit (0 through 6) to the desired volume. The current ring tone is played. At the lowest setting, display will show:

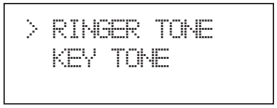


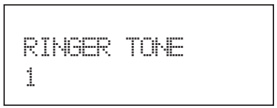

  The handset or base will not ring when a call comes in if ringer volume is set to the lowest setting.

- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

## Ringer tone

- From the idle (off) mode, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base) then the ▲ or ▼ keys to **RINGER TONE**.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- Press the ▲ or ▼ keys (or enter a digit 0 through 9) to sample the ring tones. The screen will show:




- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

**note**

- Settings for the handset and the base must be programmed separately. For example, when you set the ringer volume for the handset, it will not automatically set in the base.

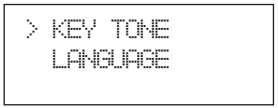
# Telephone settings

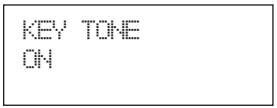
**note**

- When the phone is set for pulse dial mode, it is possible to switch to temporary tone mode during an ongoing call by pressing *. Once pressed, tone will be used for rest of the call. After you hang up, the phone will return to pulse dialing for the next call.

**Key tone** (preset to on)

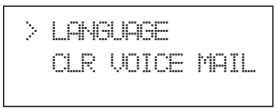
- From the idle (off) mode, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base) then the ▲ or ▼ keys to select **KEY TONE**.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). The current setting will be shown. Use the ▲ or ▼ keys to scroll to **ON** or **OFF**. When set to on, the handset will emit a beep whenever a key is pressed.
- When the desired option is shown, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

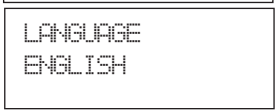



**Language** (preset to English)

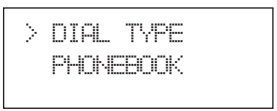
- From the idle (off) mode, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base) then the ▲ or ▼ keys to **LANGUAGE**.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). Press the ▲ or ▼ keys to scroll from English to Francais or Espanol.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

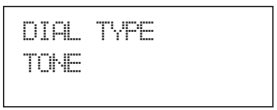



**Dial type** (preset to tone)

- From the idle (off) mode, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base) then ▲ or ▼ keys to **DIAL TYPE**.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base) then use ▲ or ▼ keys to scroll from **TONE** to **PULSE**.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).



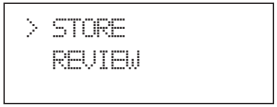



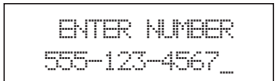
# Directory

Your phone can store up to 50 numbers with names in memory. Each memory location can hold up to 32 digits for the number and 16 characters for the name.

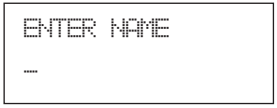
### Storing a new entry

- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- With **PHONEBOOK** highlighted, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- Press ▲ or ▼ to select **STORE**. Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- You will be prompted to **ENTER NUMBER**.



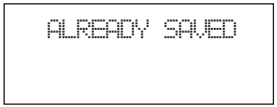




Use the dialing keys to enter the number you wish to store in the phonebook. Press the **DELETE/MUTE** on the handset (or **DELETE** on the base) to backspace and make corrections. Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).




- You will then be prompted to **ENTER NAME**. Use the dialing keys to spell the name. Use the ▲ and ▼ keys to move the cursor. Press **DELETE/MUTE** on the handset (or **DELETE** on the base) to backspace and make corrections. Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- You'll hear a confirmation tone, and the new phonebook entry will be displayed.
- If the phonebook is full, the handset or base unit will display:

- You can also press **REDIAL** then ▲ or ▼ keys to scroll to the previously dialed number from the redial list you want to store in the phonebook. Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- While entering numbers, press and hold **PAUSE** to add pauses if necessary.
- If there is a duplicate number in the phonebook, the display will show:




**note**

- If you register additional handsets to your base, the handsets share a common phonebook, which is stored in the base. This means that entries inserted by a handset or base unit are available for all handsets and the base unit. and if one deletes a phonebook entry, it will disappear from all handsets and base unit.

# Directory

Each press of a particular key causes characters to be displayed in the following order:

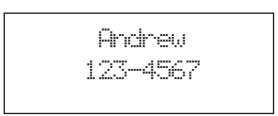
| key | Character versus # of key presses | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **1** | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | 1 | # | ’ | , | - | . | & | | |
| 2 | A | B | C | 2 | a | b | c | | |
| 3 | D | E | F | 3 | d | e | f | | |
| 4 | G | H | I | 4 | g | h | i | | |
| 5 | J | K | L | 5 | j | k | l | | |
| 6 | M | N | O | 6 | m | n | o | | |
| 7 | P | Q | R | S | 7 | p | q | r | s |
| 8 | T | U | V | 8 | t | u | v | | |
| 9 | W | X | Y | Z | 9 | w | x | y | z |
| 0 | 0 | | | | | | | | |
| * | * | ? | ! | / | ( | ) | @ | | |
| # | *space* | | | | | | | | |

### Review/dial from the phonebook

- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). With **PHONEBOOK** highlighted, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). With the **REVIEW** highlighted, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

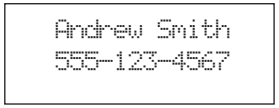
**- OR -**

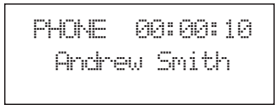
With the handset or base unit in idle, press ▲, the handset or base unit goes directly into phonebook review mode.



# Directory

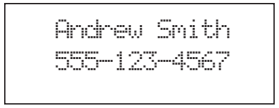
- Scroll through the phonebook entries using the ▲and▼ keys or enter first character of the name to be searched (using the digit keys) and continue navigating using the ▲ or ▼ keys as scroll keys, until you reach the entry to be dialed.
- Press **ON** or **SPEAKER** ( ), to dial the number.

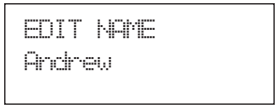



### Edit a phonebook entry

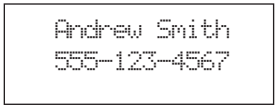
- Follow the first two steps in **Review/dial from the phonebook** (page 26) to reach the entry to be edited.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- Press **DELETE/MUTE** on the handset (or **DELETE** on the base) to backspace then enter the correct number. Press and hold **PAUSE** to add pauses if necessary. You can also press **REDIAL**, then the ▲or▼ keys to scroll to the previously dialed number from redial list you want to store in the phonebook. Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).
- You are now prompted to **EDIT NAME**. Press **DELETE/MUTE** on the handset (or **DELETE** on the base) to backspace, then use the dialing keys to enter the correct name (see page 26). Use the ▲and ▼keys to move the cursor.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). A confirmation tone will sound.




### Delete a phonebook entry

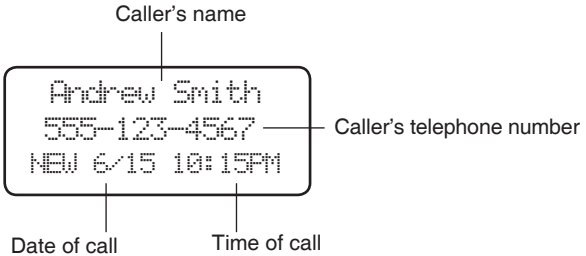
- Follow the first two steps in **Review/dial from the phonebook.**
- Press **DELETE/MUTE** on the handset (or **DELETE** on the base). A confirmation tone will sound.
- The handset or base will then move to the next entry if any.




**note**

- When reviewing the phonebook, the second line of the display will show the phone number, up to 16 digits. For numbers longer than 16 digits, only the first 13 digits will be shown. Press * or # to scroll the phone number to see the additional digits.
- If there are no entries in the phonebook, when it is accessed, **NO ENTRIES** will display.

# Caller ID




**Shared call log**

The caller ID log is stored in the base, and is shared by the system handsets. Changes made at the base or a handset will be reflected in all handsets and the base.

If the number of an incoming call matches an entry in your directory, the name will display exactly how you've entered it in the phonebook. For example, if Christine Smith calls, her name will appear as Chris if that is how you entered it into the phonebook.

Your phone has a caller ID (CID) with call waiting feature that works with service from your local phone service provider. Caller ID with call waiting lets you see who's calling before you answer the phone, even when you're on another call.

You may need to change your phone service to use this feature. Contact your service provider if:

- You have both caller ID and call waiting, but as separate services (you may need combined service)
- You have only caller ID service, or only caller waiting service.
- You don't subscribe to any caller ID or call waiting services.

You can use this product with regular caller ID service, and you can use this product's other features without subscribing to either caller ID or combined caller ID with call waiting service.

There are fees for caller ID services, and they may not be available in all areas.

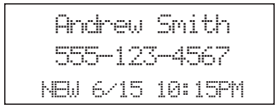
This product can provide information only if both you and the caller are in areas offering caller ID service, and if both telephone companies use compatible equipment.

# Caller ID

## About call history (caller ID)

Your phone can store up to 50 calls in its caller ID memory. When the memory is full, the oldest call will be deleted to make room for new incoming call information. For each call that comes in, the screen displays the following information between the first and second rings:

- Your caller's name (15 letters are sent by your telephone company).
- The caller's area code and telephone number.
- The time and date of the call.




## Review call history

1. Press ▼ (CID) to view call history.
2. Use ▲ and ▼ to scroll through records in call history.

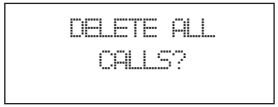
## Delete records from call history

**Delete a specific call:**

1. Locate the record you want to delete from call history.
2. Press **DELETE/MUTE** on the handset (or **DELETE** on the base). You'll hear a confirmation beep.

**Delete all calls:**

1. With the handset in call log mode, press and hold **DELETE/MUTE** on the handset (or **DELETE** on the base). The screen displays:
2. Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). You'll hear a confirmation beep.




## Dial a displayed number

1. Locate the record in call history that you want to dial.
2. If you wish to change how the number is dialed, press **#**. The screen displays alternate dialing sequences available for this call.

When the number is correctly displayed for dialing, press **ON** or **SPEAKER**.

**note**

- If you answer a call before the caller ID information appears on the screen, it will not be in the call history.

# Caller ID

**note**

- Press **OFF/CLEAR** on the handset(s) (or **EXIT** on the base) at any time to exit call history.
- If both the name and number are not provided, **UNABLE TO SAVE** will be displayed.

### Store a call history record in the directory

1. Locate the record in the call history you want to store in the directory.
2. If you wish to change how the number is stored, press **#**. The screen displays alternate dialing sequences available for this call.
3. Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base), You'll hear a confirmation beep.

| Screen displays: | When: |
|---|---|
| PRIVATE NUMBER | The other party is blocking name and/or number information. |
| UNKNOWN NUMBER | Your phone company is unable to receive information about this caller's name and/or number. |

# Voicemail

**Access voicemail**
When a voicemail is detected, **VOICEMAIL** key will be illuminated and **NEW VOICEMAIL** will display on the handset and base.

Once your voicemail access number and password are programmed into your phone, you can quickly retrieve voicemail messages by pressing the **VOICEMAIL** key on the handset or base.

When retrieving voicemail messages, you can use the dedicated **PLAY, SKIP** and **ERASE** keys on the handset or base to access play, skip and erase messages functions.

**Clear voicemail**
If you wish to manually turn off the voicemail indications on the handset and base, follow the below steps:
From the idle mode, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base), then the ▲or ▼keys to **CLR VOICEMAIL**. Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base), the screen will display **TURN INDICATOR OFF?** Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

**Program the voicemail access keys**
Your phone is factory programmed with the appropriate key sequences for **PLAY, SKIP, ERASE** and **VOICEMAIL** keys. If the default programming for these or password do not work with your voicemail system, you can reprogram them.

From the idle mode, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base), use ▲ or ▼ to scroll to **FEATURE CODES**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). With **VOICEMAIL SETUP** displayed, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). Use ▲or ▼ to scroll to your desired option, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

You can access the following options:
**ACCESS NUMBER PASSWORD PLAY SKIP ERASE RESET ALL CODES**

**note**

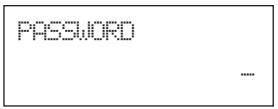
- In order to use these features, you must subscribe to and activate voicemail service through your local telephone company.
- When one handset is accessing the voicemail setup, the other handset(s) cannot access it at the same time. If this is attempted, **NOT AVAILABLE AT THIS TIME** will be displayed.

# Voicemail

**Program password**

You need to program a password to access your voicemail. First, you must activate and define your voicemail password with the voicemail service provided by your local telephone company. Once you have defined your password, you can then program it into the phone.

Use ▲ or ▼ to scroll to **PASSWORD**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base) to choose it. You will see the following display:

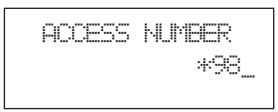



Use the number keys to enter the password number provided by your local telephone company. To enter pauses, press and hold **PAUSE**. Press **DELETE/MUTE** on the handset (or **DELETE** on the base) to erase numbers if you make a mistake. When finished press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

**Program the VOICEMAIL key**

The default voicemail access number is ***98**. If this does not match the number provided by your local telephone company, you will need to edit the number.

Use ▲ or ▼ to scroll to **ACCESS NUMBER**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). You see the following display:

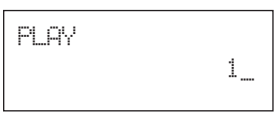



Press **DELETE/MUTE** on the handset (or **DELETE** on the base). Enter the new voicemail access number provided by your local telephone company. To enter pauses, press and hold **PAUSE**. When finished press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

**Program the PLAY key**

The default **PLAY** key number is 1. If this does not match the number provided by your local telephone company, you will need to edit the number.

Use ▲ or ▼ to scroll to **PLAY**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). The display will show:



# Voicemail

Press **DELETE/MUTE** on the handset (or **DELETE** on the base). Enter the new number provided by your local telephone company. To enter pauses, press and hold **PAUSE**. When finished press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

### Program the SKIP key

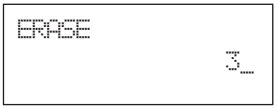
The default **SKIP** key number is **#**. If this does not match the number provided by your local telephone company, you will need to edit the number.

Use ▲or ▼to scroll to **SKIP**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). You see the following display:

Press **DELETE/MUTE** on the handset (or **DELETE** on the base). Enter the new number provided by your local telephone company. To enter pauses, press and hold **PAUSE**. When finished press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

### Program the ERASE key

The default **ERASE** key number is **3**. If this does not match the number provided by your local telephone company, you will need to edit the number. Use ▲or ▼to scroll to **ERASE**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). You see the following display:




Press **DELETE/MUTE** on the handset (or **DELETE** on the base). Enter the new number provided by your local telephone company. To enter pauses, press and hold **PAUSE**. When finished press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

### Reset all codes

You can reset all voicemail codes to their default values.

Use to scroll to **RESET ALL CODES**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). You see the following display:

Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

**note**

- Your local telephone company may provide a monthly subscription to an individual service or a package of services which gives you unlimited usage for a small monthly fee.

# Custom pay-per-use (PPU) features

## PPU keys on base

You can use the dedicated keys on the base unit to access below functions.

**Auto call back** dials the last party who called you, whether or not you answered the call. A charge is added to your phone bill each time you use this feature.

**3-way calling** allows you to talk with two separate parties from a single line. To use this feature, follow these steps:

1. Call your first party, after the party answers,
2. Press **3-WAY CALLING**. Wait for dial tone.
3. Call your second party, after the call is answered,
4. Press **3-WAY CALLING** again.

A charge is added to your phone bill each time this service is used.

**Repeat dialing** repeatedly dials the last number you called, over a time interval determined by your local phone company. This is useful in reaching a party whose line is busy. A charge is added to your phone bill each time this service is used.

## PPU keys on handset

To access PPU features on the handsets:

- Press **ON**.
- Press **BILLED SERVICES** key, then use the ▲or▼ keys to scroll to your desired option.
- Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

# Custom pay-per-use (PPU) features

**Change PPU key setting**

Your phone is factory programmed with the PPU keys, you can reprogram the codes to the numbers provided by your local telephone company.

From the idle mode, press **MENU/SELECT** on the handset (or **MENU/SEL** on the base), use ▲ or ▼ to scroll to **FEATURE CODES**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). Press ▲ or ▼ to scroll to **BILLED SERVICES**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). Use ▲ or ▼ to scroll to your desired option, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

You can access the following options:

**AUTO CALLBACK**
**3-WAY CALLING**
**REPEAT DIALING**
**RESET ALL CODES**

**Change auto call back number**

The default **AUTO CALLBACK** number is ***69**. If this does not match the number provided by your local telephone company, you will need to edit the number.

Use ▲ or ▼ to scroll to **AUTO CALLBACK**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). The display will show:

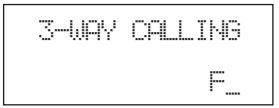
Press **DELETE/MUTE** on the handset (or **DELETE** on the base). Enter the new number provided by your local telephone company. To enter pauses, press and hold **PAUSE**. When finished press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

# Custom pay-per-use (PPU) features

**Change 3-way calling number**

The default **3-WAY CALLING** code is **F** (flash). If this does not match the number provided by your local telephone company, you will need to edit the number.

Use ▲ or ▼ to scroll to **3-WAY CALLING**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). You see the following display:

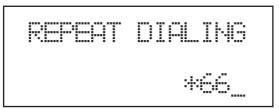



Press **DELETE/MUTE** on the handset (or **DELETE** on the base). Enter the new number provided by your local telephone company. To enter pauses, press and hold **PAUSE**. When finished press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

**Change repeat dialing number**

The default repeat dialing number is ***66**. If this does not match the number provided by your local telephone company, you will need to edit the number.

Use ▲ or ▼ to scroll to **REPEAT DIALING**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). The display will show:

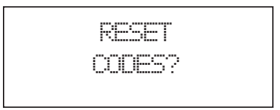



Press **DELETE/MUTE** on the handset (or **DELETE** on the base). Enter the new number provided by your local telephone company. To enter pauses, press and hold **PAUSE**. When finished press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

**Reset all codes**

You can reset all PPU codes to their default values.

Use ▲ or ▼ to scroll to **RESET ALL CODES**, then press **MENU/SELECT** on the handset (or **MENU/SEL** on the base). You see the following display:




Press **MENU/SELECT** on the handset (or **MENU/SEL** on the base).

# Batteries

**Battery care and maintenance**

After your battery is fully charged, you can expect the following performance:

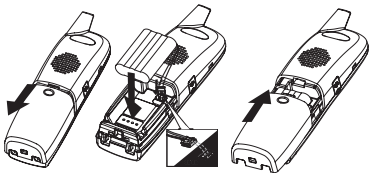
| Operation | Operating time |
|---|---|
| While in use (talking) | up to 8 hours |
| While not in use (standby*) | up to 4 days |

* Handset is off the base unit or charger but not in use.

- The battery needs charging when:
  — A new battery is installed in the handset.
  — The phone beeps twice every five seconds.
  — The screen displays **LOW BATTERY** and the low battery icon.
- Place the handset in the base so the **CHARGE** light turns on. The battery is typically fully charged in 16 hours.
- You can keep the battery fully charged by returning the handset to the base after each use.

**Replacing the handset battery**

1. Remove the battery compartment cover on the handset by pressing on the indentation and sliding the cover downward.
2. Lift out the old battery and disconnect.
3. Align the two holes in the new battery's plug with the socket pins, and snap the plug into place. Snap the battery in the compartment, as described in **Installation**, on page 4.
4. Replace the cover by sliding it up into place.
5. The new battery must be charged before using the phone. Place the handset in the base and allow it to charge for at least 16 hours the first charge. The telephone might operate before that, but for best performance, let the battery charge fully.



**note**

- If you repeatedly get a low battery indicator, even after charging overnight, the battery should be replaced.
- To reduce the risk of fire or injury to persons or damage to the telephone, charge the battery provided with this phone (or equivalent) in accordance with the instructions and limitations specified in this user's manual (see page 5).

# Troubleshooting

If you have difficulty operating your phone, the suggestions below should solve the problem. If you still have difficulty after trying these suggestions, call the Supplier.

| Problem | Suggestion |
|---|---|
| My phone doesn't work at all. | • Make sure the power cord is plugged in.<br>• Make sure the telephone line cord is plugged firmly into the base unit and the telephone wall jack.<br>• Charge the battery in the handset for 16 hours. For optimum daily performance, return the handset to its base when not in use.<br>• Reset the base. Unplug the unit's electrical power. Wait for 15 seconds then plug it back in. Allow up to one minute for the handset and base to reset.<br>• You may need to purchase a new battery, please refer to the **Batteries** section (see page 37) of this user's manual. |
| I cannot get a dial tone. | • First try all the suggestions above.<br>• Move the handset closer to the base. You might have moved out of range.<br>• Your line cord might be malfunctioning. Try installing a new line cord.<br>• If the previous suggestions don't work, disconnect the base unit from the telephone jack and connect a different phone. If there is no dial tone on that phone either, the problem is in your wiring or local service. Contact your local telephone company. |

# Troubleshooting

| Problem | Suggestion |
|---|---|
| I cannot dial out. | • Make sure you have a dial tone before dialing. The handset may take a second or two to find the base and produce a dial tone. This is normal. Wait an extra second before dialing.<br>• Make sure your phone is set to the correct dial mode for the type of service that you have (pulse or touchtone). Refer to the Installation section of this user's manual to set the dial mode.<br>• If the other phones in your home are having the issue, the problem is in your wiring or local service. Contact your local telephone company (charges may apply).<br>• Eliminate any background noise. Noise from a television, radio or other appliance may cause the phone to not dial out properly. If you cannot eliminate the background noise, first try muting the handset before dialing, or dialing from another room in your home with less background noise. |
| My handset beeps four times and isn't performing normally. | • Make sure the power cord is securely plugged into the base. Plug the unit into a different, working outlet not controlled by a wall switch.<br>• Move the handset closer to the base. You might have moved out of range.<br>• If the handset is in its base and the charging light does not come on, refer to **the charge light is off** (see page 43) in this troubleshooting guide.<br>• Reset the base. Unplug the unit's electrical power. Wait for 15 seconds then plug it back in. Allow up to one minute for the handset and base to reset.<br>• Other electronic products can cause interference with your cordless phone. Try installing your phone as far away from these types of electronic devices as possible: wireless routers, radios, radio towers, pager towers, cell phones, intercoms, room monitors, televisions, personal computers, kitchen appliances and other cordless phones. |

# Troubleshooting

| Problem | Suggestion |
|---|---|
| **CAN'T CONNECT** displays on my handset. | • Move the handset closer to the base. You might have moved out of range.<br>• If the handset is in its base and the charging light does not come on, refer to **The charge light is off** (see page 43) in this troubleshooting guide.<br>• Reset the base. Unplug the unit's electrical power. Wait for 15 seconds then plug it back in. Allow up to one minute for the handset and base to reset.<br>• Other electronic products can cause interference with your cordless phone. Try installing your phone as far away from these types of electronic devices as possible: wireless routers, radios, radio towers, pager towers, cell phones, intercoms, room monitors, televisions, personal computers, kitchen appliances and other cordless phones. |
| The batteries will not hold a charge. | • Charge the battery in the handset for 16 hours. For optimum daily performance, return the handset to its base when not in use.<br>• You may need to purchase a new battery, please refer to the **Batteries** (see page 37) section of this user's manual.<br>• Your phone might be malfunctioning. Please refer to the Warranty section of this user's manual for further instruction. |

# Troubleshooting

| Problem | Suggestion |
|---|---|
| I get noise, static, or weak signal even when I'm near the base. | • Other electronic products can cause interference with your cordless phone. Try installing your phone as far away from these types of electronic devices as possible: wireless routers, radios, radio towers, pager towers, cell phones, intercoms, room monitors, televisions, personal computers, kitchen appliances and other cordless phones.<br>• Microwaves operate on the same frequency as your phone. It is normal to experience static on your phone while the microwave is running. Do not install this phone in the same outlet or near the microwave.<br>• If your phone is plugged in with a modem or surge protector, plug the phone (or modem/surge protector) into a different location. If this solves the problem, re-locate your phone or modem farther apart from one another, or use a different surge protector.<br>• Relocate your phone to a higher location. The phone will likely get better reception not installed in a low area.<br>• If the other phones in your home are having the issue, the problem is in your wiring or local service. Contact your local telephone company (charges may apply). |
| I hear other calls while using my phone. | • Disconnect your base unit from the telephone jack, and plug in a regular telephone. If you still hear other calls, the problem is probably in your wiring or local service. Call your local telephone company. |
| I hear noise in the handset, and none of the keys or buttons work. | • Make sure the power cord is plugged in. |

# Troubleshooting

| Problem | Suggestion |
|---|---|
| My handset does not ring when I receive a call. | • Make sure you have the ringer activated. Refer to the section(s) on ringer selection in this user's manual.<br>• Make sure the telephone line cord is plugged firmly into the base unit and the telephone jack. Make sure the power cord is plugged in.<br>• You may be too far from the base unit.<br>• Charge the battery in the handset for 16 hours. For optimum daily performance, return the handset to its base when not in use.<br>• You may have too many extension phones on your telephone line to allow all of them to ring. Try unplugging some of the other phones.<br>• The layout of your home or office might be limiting the operating range. Try moving the base to another location, preferably on an upper floor.<br>• If the other phones in your home are having the issue, the problem is in your wiring or local service. Contact your local telephone company (charges may apply).<br>• Test a working phone at the phone jack. If another phone has the same problem, the problem is the phone jack. Contact your local telephone company (charges may apply).<br>• Other electronic products can cause interference with your cordless phone. Try installing your phone as far away from these types of electronic devices as possible: wireless routers, radios, radio towers, pager towers, cell phones, intercoms, room monitors, televisions, personal computers, kitchen appliances and other cordless phones<br>• Your line cord might be malfunctioning. Try installing a new line cord. |

# Troubleshooting

| Problem | Suggestion |
|---|---|
| My calls fade or cut in and out while I'm using my handset. | • Other electronic products can cause interference with your cordless phone. Try installing your phone as far away from these types of electronic devices as possible: wireless routers, radios, radio towers, pager towers, cell phones, intercoms, room monitors, televisions, personal computers, kitchen appliances and other cordless phones<br>• Microwaves operate on the same frequency as your phone. It is normal to experience static on your phone while the microwave is running. Do not install this phone in the same outlet or near the microwave.<br>• If your phone is plugged in with a modem or surge protector, plug the phone (or modem/surge protector) into a different location. If this solves the problem, re-locate your phone or modem farther apart from one another, or use a different surge protector.<br>• Relocate your phone to a higher location. The phone will get better reception not installed in a low area.<br>• If the other phones in your home are having the issue, the problem is in your wiring or local service. Contact your local telephone company (charges may apply). |
| The charge light is off. | • Clean the handset and base charging contact each month using a pencil eraser or cloth.<br>• Make sure the power and line cords are plugged in correctly and firmly.<br>• Reset the base. Unplug the unit's electrical power. Wait for 15 seconds then plug it back in. Allow up to one minute for the handset and base to reset.<br>• Your phone might be malfunctioning. Please refer to the **Warranty** (see page 45) section of this user's manual for further instruction. |

# Troubleshooting

| Problem | Suggestion |
|---|---|
| My caller ID isn't working. | • Caller ID is a subscription service. You must subscribe to this service for this feature to work on your phone.<br>• Your caller must be calling from an area that supports caller ID.<br>• Both you and your caller's telephone companies must use caller ID compatible equipment. |
| Common cure for electronic equipment. | If the unit does not seem to be responding normally, then try putting the handset in its base. If it does not seem to respond, do the following (in the order listed):<br>1. Disconnect the power to the base.<br>2. Disconnect the handset battery, and spare battery, if applicable.<br>3. Wait a few minutes.<br>4. Connect power to the base.<br>5. Re-install the battery(ies).<br>6. Wait for the handset to re-establish its link with the base. To be safe, allow up to one minute for this to take place. |

# Maintenance

**Taking care of your telephone**
Your cordless telephone contains sophisticated electronic parts, so it must be treated with care.

**Avoid rough treatment**
Place the handset down gently. Save the original packing materials to protect your telephone if you ever need to ship it.

**Avoid water**
Your telephone can be damaged if it gets wet. Do not use the handset outdoors in the rain, or handle it with wet hands. Do not install your base unit near a sink, bathtub or shower.

**Electrical storms**
Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, use caution when using electric appliances during storms.

**Cleaning your telephone**
Your telephone has a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or a mild soap. Do not use excess water or cleaning solvents of any kind.

# Warranty

The Supplier warrants, to the original purchaser only, the material and workmanship of this product for ONE YEAR from the date of purchase. We will repair or replace, at our option, this product without charge should it fail due to a defect in material or workmanship within that time period.

This warranty does not apply to loss or damage that is the result of accident, misuse or negligence. All other warranties, expressed, implied or statutory, including warranties of fitness for a particular purpose, are limited to the time period listed and are otherwise excluded from this warranty if unauthorized repairs are attempted. Additionally, the Supplier shall not be liable for any incidental or consequential damage or commercial loss, nor for any other loss or damages.

The Supplier assumes no responsibility for products sent without prior return authorization.

# Important safety instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water (for example, near a bath tub, kitchen sink or swimming pool).
5. Do not place this product on an unstable surface, such as a table, shelf or stand. The product may fall, causing serious damage.
6. Slots and openings in the back or bottom of the base unit and handset are provided for ventilation. To protect them from overheating, these openings must not be blocked by placing the product on a soft surface such as a bed, sofa or rug. This product should never be placed near or over a radiator or heat register. This product should not be placed in any area where proper ventilation is not provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not install this product where the cord may have anyone walking on it.
9. Never push objects of any kind into this product through slots in the base or handset as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product, but take it to an authorized service facility. Opening or removing parts of the base or handset other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the product is subsequently used.
11. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
12. Unplug this product from the wall outlet and refer servicing to an authorized service facility under the following conditions:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled onto the product.
    C. If the product has been exposed to rain or water.
    D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may result in damage and often requires extensive work by an authorized technician to restore the product to normal operation.
    E. If the product has been dropped and the base and/or handset has been damaged.
    F. If the product exhibits a distinct change in performance.
13. Avoid using a telephone (other than cordless) during an electrical storm. There is a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.
15. Only put the handset of your telephone next to your ear when it is in normal talk.

**SAVE THESE INSTRUCTIONS**

# FCC, ACTA and IC regulations

**FCC Part 15**

This equipment has been tested and found to comply with the requirements for a Class B digital device under Part 15 of the Federal Communications Commission (FCC) rules. These requirements are intended to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and receiver.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria. The handset may be safely held against the ear of the user. The base unit shall be installed and used such that parts of the user's body other than the hands are maintained at a distance of approximately 20 cm (8 inches) or more. If you choose to use a clipping device, please make sure to only use the supplied belt clip.

**FCC Part 68 and ACTA**

This equipment complies with Part 68 of the FCC rules and with technical requirements adopted by the Administrative Council for Terminal Attachments (ACTA). The label on the back or bottom of this equipment contains, among other things, a product identifier in the format US:AAAEQ##TXXXX. This identifier must be provided to your local telephone company upon request.

The plug and jack used to connect this equipment to premises wiring and the telephone network must comply with applicable Part 68 rules and technical requirements adopted by ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. An RJ11 jack should normally be used for connecting to a single line and an RJ14 jack for two lines. See Installation Instructions in the user's manual.

The Ringer Equivalence Number (REN) is used to determine how many devices you may connect to your telephone line and still have them ring when you are called. The REN for this product is encoded as the 6th and 7th characters following the US: in the product identifier (e.g., if ## is 03, the REN is 0.3). In most, but not all areas, the sum of all RENs should be five (5.0) or less. For more information, please contact your local telephone company.

This equipment may not be used with Party Lines. If you have specially wired alarm dialing equipment connected to your telephone line, ensure the connection of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

If this equipment is malfunctioning, it must be unplugged from the modular jack until the problem has been corrected. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents. For repair procedures, follow the instructions outlined under the Limited Warranty.

If this equipment is causing harm to the telephone network, the telephone company may temporarily discontinue your telephone service. The telephone company is required to notify you before interrupting service. If advance notice is not practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem and the telephone company is required to inform you of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operation, or procedures that could affect the proper functioning of this product. The telephone company is required to notify you if such changes are planned.

If this product is equipped with a corded or cordless handset, it is hearing aid compatible.

If this product has memory dialing locations, you may choose to store emergency telephone numbers (e.g., police, fire, medical) in these locations. If you do store or test emergency numbers, please:

# FCC, ACTA and IC regulations

* Remain on the line and briefly explain the reason for the call before hanging up.
* Perform such activities in off-peak hours, such as early morning or late evening.

**Industry Canada**

This equipment complies with regulations RSS210 and CS-03 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The term ''IC: '' before the certification/registration number only signifies that the Industry Canada technical specifications were met.

The Ringer Equivalence Number (REN) for this terminal equipment is 0.1. The REN is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five.

# Technical specifications

Enhanced 5.8GHz technology–your phone operates on a dual band transmission that combines the best of 5.8GHz and 2.4GHz technologies, providing enhanced performance over standard cordless telephones.

| | |
|---|---|
| Frequency control | Crystal controlled<br>PLL synthesizer |
| Transmit frequency | Base: 5725–5850 MHz<br>Handset: 2400–2483.5 MHz |
| Receive frequency | Base: 2400–2483.5 MHz<br>Handset: 5725–5850 MHz |
| Channels | 95 |
| Nominal effective range | Maximum power allowed by FCC and IC. Actual operating range may vary according to environmental conditions at the time of use. |
| Size | Handset: 42mm X 52mm X 163mm<br>Base: 177mm X 127mm X 169mm |
| Weight | Handset: 124 grams<br>Base: 359 grams |
| Power requirements | Handset: 600mAH NiMH Battery<br>Base: 9V DC @ 800mA |
| Memory | Phonebook: 50 Memory locations, 16 characters for name, 32 digits for number per location<br>Call log: 50 Memory locations |

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Printed in China.

91-000965-010-000

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# User's manual

**Qwest national help desk**

**Toll free: 1-800-651-6791**

Model: QW5872

5.8 GHz Digital Spread Spectrum